

Washington State  
Department of Transportation  
Olympic Region  
Olympia, Washington 98504

February 7, 2002

ATTENTION: All Bidders and Planholders

SR 510  
SR 5 to Pacific Avenue  
F. A. No. STPUS-5238(007)

**Addendum No. 1**

The Special Provisions, Plans, and Proposal for this project are supplemented by the following:

**Special Provisions**

1. On page 191, line 40 is revised to read as follows:  
Section 1-08.3 is deleted and replaced [supplemented] with the following:
2. On page 191, the following is added after line 51.

***Definitions:***

**Activity**

Any task or item of work that shall be performed in order to complete a project.

**Baseline Schedule**

The initial CPM progress schedule as approved by the Engineer representing the Contractor's original work plan.

**Concurrent Delay**

Two or more delays on the critical path that occur at the same time.

**Contractor Delay**

A delay that extends the time required to complete a controlling operation caused by and within the control of the Contractor, his subcontractor at any tier or suppliers.

**Controlling Operation**

A feature of work or activity on the critical path.

**Critical Path**

In a project network, the sequence of activities yielding the longest path in a CPM analysis necessary to complete the project.

**Early Completion Time**

The difference in time between the completion date and the current State-**approved** scheduled completion date.

**Excusable Delay**

A delay as defined in Section 1-08.8 where the Contractor may be granted an extension of time.

**Float**

The amount of time between the early start date and the late start date or the early finish date and the late finish date of any activity or group of activities in the network.

**Free Float**

The amount of time an activity can be delayed before delaying a subsequent activity.

**Fragnet**

A section or fragment of the network diagram comprised of a group of activities.

**Milestone**

A marker in a network which is typically used to mark a point in time or denote the beginning or end of a sequence of activities. A milestone has zero duration and zero resources, but will otherwise function in the network as if the milestone were an activity.

**Narrative Report**

A report that identifies potential problem areas, current and anticipated delaying factors and their impact, actions taken or proposed, proposed changes in schedule logic, extension or contraction of activities, proposed addition or deletion of activities, explanation for changes in the critical path, explanation for changes in scheduled completion date, out of sequence work, and any other topics related to job progress or scheduling.

**Near Critical Path**

A path having 10 working days or less of total float.

**Punch List**

A list of details needing attention to complete task or work for both contract item and extra work.

**Schedule Revision**

A change in the future portion of the schedule that modifies logic; alters construction sequences such as performing sequential activities concurrently or concurrent activities sequentially; adds or deletes activities or significantly alters activity durations, as determined or approved by the Engineer.

**Scheduled Completion Date**

The Contractor's scheduled completion date as shown on the approved baseline schedule as modified by subsequent approved monthly schedule updates and revisions

**Total Float**

The amount of time that an activity may be delayed without delaying the scheduled completion date.

**Update**

The routine modification of the CPM progress schedule through a regular monthly review to incorporate actual past progress to date by activity, projected completion dates, and approved time adjustments.

**Computer Software**

The Contractor shall furnish to the Engineer one copy of the complete CPM scheduling and plotting software packages utilized by the Contractor. The CPM software shall be the latest version of Primavera Project Planner for Windows, Scitor Project Scheduler 8, or equal, and shall be able to create files that can easily be imported into the latest version of Scitor Project Scheduler 8. The software package provided to the Engineer shall be new, complete, unopened, and licensable by the Contracting Agency. Upgrades to the CPM and general software shall be provided, as the upgrades become available. The software package shall remain property of the Engineer after contract completion.

All schedule submittals required by this Special Provision shall be accompanied by a 3½ inch floppy disk or CD containing a copy of all the Contractor's progress schedule data files. The data files shall be complete so that independent analyses of the schedule may be performed using the scheduling software package provided to the Engineer.

**General**

The Contractor shall submit a preliminary progress schedule (first 60 working days) to the Engineer no later than five calendar days after the date the contract is executed. This preliminary schedule shall show work to be performed during the first 60 working days of the contract.

The Contractor shall submit five copies of the baseline schedule to the Engineer no later than 30 calendar days after the contract is executed.

The Contracting Agency allocates its resources to a contract based on the total time allowed in the contract. The Contracting Agency will accept a progress schedule indicating an early physical completion date but cannot guarantee the Contracting Agency's resources will be available to meet the accelerated schedule. No additional compensation will be allowed if the Contractor is not able to meet their accelerated schedule due to the unavailability of Contracting Agency's resources or for other reasons beyond the Contracting Agency's control.

The Contractor shall submit supplemental progress schedules when requested by the Project Engineer or as required by any provision of the contract. These supplemental schedules shall reflect any changes in the proposed order of the work, any construction delays, or other conditions that may affect the progress of the work. The Contractor shall provide the Project Engineer with the supplemental progress schedule within ten calendar days of receiving written notice of the request.

The original and all supplemental progress schedules shall not conflict with any time

schedule submitted for approval shall be in accordance with the restrictions listed in these special provisions.

If the Engineer deems that the baseline schedule, monthly schedule update or any necessary supplemental progress schedule does not provide the information required in this Special Provision, the Contracting Agency may withhold contract progress payments until a schedule containing the required information has been submitted by the Contractor and approved by the Engineer.

***Baseline Schedule***

The baseline schedule shall be practicable; include the entire scope of work; meet interim target dates, milestones, stage construction requirements, and internal time constraints; show logical sequence of activities; and shall not extend beyond the number of working days originally provided in these special provisions. An early completion schedule will be acceptable provided that the schedule meets the requirements of these special provisions and the Standard Specifications.

The baseline CPM progress schedule submitted by the Contractor shall have a sufficient number of activities to assure adequate planning of the project, and to permit monitoring and evaluation of progress, and the analysis of time impacts. The baseline schedule shall depict how the Contractor plans to complete the whole work involved, and shall show the activities that define the critical path. Multiple critical paths and near-critical paths shall be kept to a minimum. A total of not more than 50 percent of the baseline schedule activities shall be critical or near critical, unless otherwise approved by the Engineer.

Activities shall have a duration of not less than one working day nor more than 20 working days. The activities in the baseline schedule, with the exception of the first and last activities, shall have a minimum of one predecessor and a minimum of one successor. The baseline schedule shall not attribute negative float or negative lag to any activity.

The schedule shall be developed by a critical path method. The Contractor shall provide sufficient material, equipment, and labor to meet the completion times in this schedule.

The degree of detail shall include factors including, but not limited to:

1. Physical breakdown of the project
2. Contract milestones and completion dates, substantial completion dates, constraints, restraints, sequences of work shown in these special provisions, the planned substantial completion date, and the final completion date
3. Type of work to be performed, the sequences, and the activities to be performed by subcontractors
4. Procurement, submittal, submittal review, manufacture, test, delivery, and installation of major materials and equipment that require approval
5. Preparation, submittal, and approval of shop or working drawings and material samples showing time, as specified in these special provisions, for the Engineer's review
6. Identification of interfaces and dependencies with preceding, concurrent and follow-on Contractors, railroads, and utilities as indicated in these special

The work shall be executed in the sequence indicated in the approved baseline schedule and subsequent approved monthly schedule updates and revisions. Schedule changes of planned work shall be documented in a properly submitted revision. The Contractor may improve the progress by performing sequential activities concurrently or by performing activities more quickly than planned. In the case of multiple critical paths, float generated by early completion of one or a sequence of activities will be considered in determining if that sequence of activities remains on the critical path. The schedule shall be modified to reflect actual events and conditions, including non-work days, as these events and conditions occur for historical purposes and for use in time impact analysis.

The baseline progress schedule shall be supplemented with resource allocations for every activity, such that reports may be generated based on labor craft and equipment class for the Contractor and subcontractors. The Contractor shall use composite crews to display the labor loading of on-site construction activities. The Contractor shall optimize and level labor to reflect a reasonable plan for accomplishing the work of the contract and to assure that resources are not duplicated in concurrent activities.

The Engineer shall be allowed 30 days to review and approve or reject the baseline schedule, any supplemental schedule or any monthly schedule update. Rejected schedules shall be resubmitted to the Engineer within 10 days, at which time a new review period of 30 days will begin. After the baseline schedule is approved, schedules that are not approved or rejected within the required review period will be deemed to have been approved by the Engineer. Approval of any schedule does not relieve the Contractor from the responsibility of submitting complete and accurate information.

### ***Network Diagram and Project Schedule Reports***

Schedules submitted to the Engineer, including the baseline schedule, shall include originally plotted time-scaled network diagram(s). Network diagrams shall be based on early start and early finish dates of activities shown. The network diagrams submitted to the Engineer shall also be accompanied by the CPM software-generated tabular reports for each activity included in the project schedule. Three different report sorts shall be provided: Early Start, Total Float, and Activity Number, which shall show the predecessors and successors for each activity. Tabular reports (8 1/2" x 11" size) shall be submitted to the Engineer and shall include at a minimum, the following:

1. Data date;
2. Predecessor and successor activity numbers and descriptions;
3. Activity number and description;
4. Activity code(s);
5. Scheduled, or actual and remaining durations for each activity;
6. Earliest start date (by calendar date);
7. Earliest finish date (by calendar date);
8. Actual start date (by calendar date);
9. Actual finish date (by calendar date);
10. Latest start date (by calendar date);
11. Latest finish date (by calendar date);
12. Free Float, in working days.

on each page. Exceptions to the size of the network sheets and the use of computer graphics to generate the networks shall be subject to the Engineer's approval. The narrative report shall be organized as follows:

1. Contractor's Transmittal Letter
2. Work completed during the period
3. Identification of any unusual resources: manpower, material, or equipment restrictions or use, including multiple shifts, six day weeks, specified overtime, or work at times other than regular days or hours
4. Description of the current critical path
5. Changes to the critical path since the last schedule submittal
6. Description of problem areas
7. Current and anticipated delays
  - a. Cause of the delay
  - b. Impact of the delay on other activities, milestones, and completion dates
  - c. Corrective action and schedule adjustments to correct the delay
8. Pending items and status thereof
  - a. Permits
  - b. Change Orders
  - c. Time Adjustments
  - d. Non-Compliance Notices
9. Completion date(s) status
  - a. Ahead of schedule and number of days
  - b. Behind schedule and number of days
  - c. If date changes, explain the cause
10. Attached Updated Network Diagram and Reports

Schedule network diagrams, tabular reports and the narrative reports shall be submitted to the Engineer for approval in the following quantities:

1. Five sets of originally plotted, time-scaled network diagram(s);
2. Two copies of each of the three sorts of the CPM software-generated tabular reports (8 1/2" x 11" size);
3. One 1.44-megabyte 3.5 inch floppy diskette containing the schedule data.
4. Two copies of the narrative report.

### ***Monthly Schedule Updates***

Monthly schedule updates include the updated network diagram, tabular reports, narrative report and diskette containing the schedule data, as described above. On or before seven calendar days after the scheduled end date for each monthly progress payment period, the Contractor shall meet with the Engineer to review contract progress. At the monthly progress meeting the Contractor shall submit to the Engineer the monthly schedule update as defined above. Update schedules shall have a data date of the end date of the progress payment period, or other date as established by the Engineer, and shall include the information available up to that date. Durations for work that has been completed will be shown on the schedule as the work actually occurred, including Engineer submittal review and Contractor resubmittal times.

### ***Schedule Revisions***

When the Contractor proposes a revision to an approved schedule, the Contractor

days, the Contractor shall submit a revised CPM network for approval when requested by the Engineer, or when any of the following occurs:

1. There is a significant change in the Contractor's operations that affects the critical or near critical path(s).
2. The scheduled completion date of the current submitted updated CPM schedule indicates that the contract progress is 20 days or more behind the current approved schedule or revision.
3. The Contractor or the Engineer considers that an approved or anticipated change will impact the critical or near critical path or contract progress.

### ***Schedule Time Adjustment***

When the Contractor requests a time adjustment due to contract change orders or delays, or if the Contractor or the Engineer considers that an approved or anticipated change will impact the critical path, the Contractor shall submit a written time impact analysis to the Engineer illustrating the impacts of each change or delay on the current scheduled completion date or milestone completion date. The analysis shall use the currently approved **schedule** that has a data date closest to and prior to the event. If the event is on the critical path at the time of its completion, then the difference between the scheduled completion dates of these 2 analyses shall be equal to the adjustment in time. The time impact analysis shall include one or more fragnet(s) demonstrating how the Contractor proposes to incorporate the event(s) into the schedule, including logic and duration of the proposed activities. Until such time that the Contractor provides the analysis, the Engineer may, at his option, construct and utilize the project as-built schedule or other recognized method to determine delay impacts.

Time impact analyses shall be submitted in duplicate within 15 days of a delay, and shall be used in determining contract change order days. Approval or rejection of each time impact analysis by the Engineer will be made within 15 days after receipt of the time impact analysis. In the event the Contractor does not agree with the decision of the Engineer regarding the impact of a change or delay, notice shall be given in conformance with the provisions in Sections 1-04.5 and 1-09.11 of the Standard Specifications.

### ***Payment***

Payment will be made in accordance with Section 1-04.1, for each of the following bid items included in the proposal:

"Progress Schedule", lump sum.

The unit contract price for "Progress Schedule" shall be full pay for providing the computer software and project schedules as specified. Payments will be made according to the following schedule:

1. A total of 40 percent of the "Progress Schedule" lump sum amount will be made upon accomplishing all of the following:
  - a. 5 percent of all work completed
  - b. Approved baseline schedule
  - c. All required schedule updates and revisions
  - d. Computer software furnished to Engineer

4. A total of 100 percent of the "Progress Schedule" lump sum amount will be made upon accomplishing all of the following:
  - a. 100 percent of all work completed
  - b. Approved baseline schedule
  - c. All required schedule updates and revisions
  - d. Final schedule update
3. On page 192, lines 6 through 9 are deleted and replaced with the following:

#### **Pavement Repair**

The pavement repair shall be a first order of work.

4. On page 210, the following is added after line 23:

The Contractor may be required to perform pavement repair operations as directed by the Engineer for the life of the contract.

5. On page 211, the following is added after line 25:

"Force Account - Pavement Repair" will be paid for by force account as specified in section 1-09.6. For the purposes of providing a common proposal for all bidders, the contracting agency has entered an amount in the proposal to become a part of the total bid by the Contractor.

Pavement repair operations directed by the Engineer outside of the Contractor's scheduled pavement repair operations shall be paid for as Force Account - Pavement Repair.

6. On page 223, the following is added after line 43:

#### **Materials**

Section 6-02.2 is supplemented with the following:

***(August 6, 2001)***

#### ***Resin Bonded Anchors***

The resin bonded anchor system shall include the nut, washer, and threaded anchor rod which is installed into hardened concrete with a resin bonding material. The resin bonded anchor system shall be one of the systems specified in the current WSDOT Qualified Products List or, if not specified in the current WSDOT QPL, shall meet the following requirements:

1. Threaded Anchor Rod and Nuts

Threaded anchor rods shall conform to ASTM A 193M Grade B7M or ASTM A 449, except as otherwise noted, and be fully threaded. Threaded anchor rods for stainless steel resin bonded anchor systems shall conform to ASTM F 593 and shall be Type 304 unless otherwise specified.

Nuts shall conform to AASHTO M 291M, Grade 10 F, except as otherwise noted. Nuts for stainless steel resin bonded anchor systems shall conform to ASTM F 594 and shall be Type 304 unless otherwise specified.



Threaded anchor rods used with resin capsules shall have the tip of the rod chiseled in accordance with the resin capsule manufacturer's recommendations. Galvanized threaded rods shall have the tip chiseled prior to galvanizing.

2. Resin Bonding Material

Resin bonding material shall be one of the following:

- a. Vinylester resin.
- b. Polyester resin.
- c. Methacrylate resin.
- d. A two component epoxy resin which meets the requirements of ASTM C 881, Type IV. The grade and class of the epoxy resin shall be as recommended by the epoxy resin manufacturer and as approved by the Engineer.

3. Ultimate Anchor Tensile Capacity

Resin bonded anchors shall each have the following minimum ultimate tensile load capacity when installed in concrete having a maximum compressive strength of 28 megapascals at the embedment specified below:

Anchor Diameter (mm)	Tensile Capacity (kN)	Embedment (mm)
M10	40.5	90
M12	55.2	110
M16	84.5	145
M20	121	180
M22	142	200
M24	182	215
M32	400	290

**(June 26, 2000)**

**Fractured Fin Finish**

The fractured fin effect shall be accomplished by the use of either an elastomeric form liner or an ABS or plastic form liner.

Elastomeric form liners shall be selected from the approved products listed in the WSDOT Qualified Products List, latest edition.

ABS or plastic form liners may be used to produce the required texture provided that the fractured fin surface is equal to or less than the height of the full length form liner and that the form liner is selected from the approved products listed in the WSDOT Qualified Products List, latest edition.

**(June 26, 2000)**

**Pigmented Sealer**

The pigmented sealer shall be a semi-opaque colored toner containing only methyl

The pigmented sealer shall be selected from the approved products listed in the WSDOT Qualified Products List, latest edition.

## **Construction Requirements**

### ***Proportioning Materials***

#### **Contractor Mix Design**

Section 6-02.3(2)A is supplemented with the following:

(April 30, 2001)

When combined aggregate gradation is used for structural concrete, the Contractor's mix design shall include a plot of the combined gradation on the 0.45 power curve showing that the proposed gradation conforms to Section 9-03.1(5). The requirement for the fine aggregate to conform to Section 9-03.1(2) Class 1 or Class 2 gradation is eliminated when using a combined gradation.

### ***Acceptance of Concrete***

#### **Certification of Compliance**

Section 6-02.3(5)B is supplemented with the following:

(April 30, 2001)

When combined aggregate gradation is used for structural concrete, the Certificate of Compliance shall include:

- Manufacturer plant (batching facility)
- Contracting Agency contract number
- Date
- Time batched
- Truck No.
- Initial revolution counter reading
- Quantity (quantity batched this load)
- Type of concrete by class and producer design mix number
- Cement producer, type, and Mill Certification No. (The mill test number as required by Section 9-01.3)
- Fly ash (if used) brand and type
- Mix design weight per cubic meter and actual batched weights for:
  - Cement
  - Fly ash (if used)
  - Aggregate components and moisture contents (each size)
  - Water (including free moisture in aggregates)
  - Admixtures brand and total quantity batched
  - Air-entraining admixture
  - Water reducing admixture
  - Other admixtures

#### **Conformance to Mix Design**

Section 6-02.3(5)C is supplemented with the following:

**(June 26, 2000)**

**General Requirements for Concrete Surface Finishes Produced by Form Liners**

Horizontal and vertical joints shall be spliced in accordance with the manufacturer's printed instructions. A copy of these printed instructions shall be submitted to the Engineer prior to placement of the form liners. The Contractor shall not place concrete against the form liners until receiving the Engineer's approval of the forms and splices.

Horizontal splicing of ABS and plastic form liners to achieve the required height is not permitted and there shall be no horizontal joints. The concrete formed with ABS and plastic form liners shall be given a light sandblast to remove the glossy finish.

Side forms, traffic barrier forms, and pedestrian barrier forms using these form liners may be removed after 24 hours provided a water reducing admixture approved by the Engineer is used in the concrete, and the concrete reaches 9.65 MPa minimum compressive strength before form removal. Concrete in load supporting forms utilizing these form liners shall be cured in accordance with Section 6-02.3(17)N. Once the forms are removed, the Contractor shall treat the joint areas by patching or light sandblasting as required by the Engineer to ensure that the joints are not visible.

Form liners shall be cleaned, reconditioned, and repaired before each use. Form liners with repairs, patches, or defects which, in the opinion of the Engineer, would result in adverse effects to the concrete finish shall not be used.

Care shall be taken to ensure uniformity of color throughout the textured surface. A change in form release agent will not be allowed.

All surfaces formed by the form liner shall also receive a Class 2 surface finish. Form ties shall be a type that leaves a clean hole when removed. All spalls and form tie holes shall be filled as specified for a Class 2 surface finish.

**(June 26, 2000)**

**Fractured Fin Finish**

Form liners shall be placed with fins and joints normal to grade for barrier applications and vertical (or as shown in the Plans) for other applications. Horizontal joints in the elastomeric form liners are permitted on surfaces greater than 2.44 meters in height provided that the minimum form liner panel dimension is 2.44 meters.

**(June 26, 2000)**

**Pigmented Sealer**

All surfaces to be sealed shall receive a Class 2 finish and shall receive a light brush sandblasting in order that complete neutralization of the surface and subsequent penetration of the pigmented sealer is achieved. All curing agents and form release agents shall be removed. The surface shall be dry, clean and prepared in accordance with manufacturer's written instructions. The Contractor shall submit four copies of the manufacturer's written instructions.

The pigmented sealer shall be spray applied in accordance with the manufacturer's written instructions for application, qualification of applicator, rate of application, and number of coats to apply. Sealer shall be applied only when the air temperature is at or above 10°C. It shall not be applied upon damp surfaces, nor shall it be applied

**(August 6, 2001)**  
**Placing Anchor Bolts**

Section 6-02.3(18) is supplemented with the following:

**Resin Bonded Anchors**

The Contractor shall submit item 1 and 2 to the Engineer for all resin bonded anchor systems. If the resin bonded anchor system is not specified in the current WSDOT Qualified Products List, the Contractor shall also submit item 3 to the Engineer.

1. The resin manufacturer's written installation procedure for the anchors. Resin bonding material used in overhead and horizontal application shall be specifically recommended by the resin manufacturer for those applications.
2. The manufacturer's certificate of compliance for the threaded anchor rod certifying that the anchor rod meets the requirements of this Special Provision.
3. Test results by an independent laboratory certifying that the threaded anchor rod system meets the ultimate anchor tensile load capacity specified in Section 6-02.2 as supplemented in these Special Provisions. The tests shall be performed in accordance with ASTM E 488.

The embedment depth of the anchors shall be as specified in the Plans. If the embedment depth of the anchor is not specified in the Plans then the embedment depth shall be as specified in the table of minimum and maximum torque below.

The anchors shall be installed in accordance with the resin manufacturer's written procedure.

Holes shall be drilled as specified in the Plans. Holes may be drilled with a rotary hammer drill when core drilling is not specified in the Plans. If holes are core drilled, the sides of the holes shall be roughened with a rotary hammer drill after core drilling.

Holes shall be prepared in accordance with the resin manufacturer's recommendations and shall meet the minimum requirements as specified herein. Holes drilled into concrete shall be thoroughly cleaned of debris, dust, and laitance prior to installing the threaded rod and resin bonding material. Holes shall not have any standing liquid at the time of installation of the threaded anchor rod.

Threaded anchors shall not be installed in submerged liquid environments unless specifically recommended by the resin manufacturer. The Contractor shall submit tests performed by an independent laboratory which certifies that anchors installed in a submerged environment meet the strength requirements specified in Section 6-02.2 as supplemented in these Special Provisions.

The anchor nuts shall be tightened to the following torques when the embedment equals or exceeds the minimum embedment specified.

Anchor Diameter (mm)	Minimum Torque (N·m)	Maximum Torque (N·m)	Minimum Embedment (mm)
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When the anchor embedment depth is less than the minimum values specified, the anchor nuts shall be tightened to the torque values specified in the Plans, or as specified by the Engineer.

### **Payment**

The first bid item under Section 6-02.5 is supplemented with the following:

(June 26, 2000)

All costs in connection with producing \*\*\* fractured fin \*\*\* finish on concrete surfaces as specified shall be included in the unit contract price per cubic meter for "Conc. Class \_\_\_\_". If the concrete is to be paid for other than by class of concrete then the costs shall be included in the applicable adjacent item of work.

(June 26, 2000)

All costs in connection with furnishing and applying pigmented sealer on concrete surfaces as specified shall be included in the unit contract price per cubic meter for "Conc. Class \_\_\_\_". If the concrete is to be paid for other than by class of concrete then the costs shall be included in the applicable adjacent item of work.

### **CONCRETE BARRIER**

#### **Construction Requirements**

##### ***Cast-In-Place Concrete Barrier***

Section 6-10.3(2) is supplemented with the following:

(March 6, 2000)

\*\*\* Pedestrian \*\*\* barrier shall be constructed in accordance with the requirements for cast-in-place concrete barrier, and shall be cured and finished in accordance with Sections 6-02.3(11)A and 6-02.3(14) respectively.

#### **Measurement**

Section 6-10.4 is supplemented with the following:

(August 6, 2001)

\*\*\* Pedestrian \*\*\* barrier will be measured by the meter along the completed line and slope.

### **Payment**

Section 6-10.5 is supplemented with the following:

(March 6, 2000)

\*\*\*\* Pedestrian \*\*\* Barrier", per meter.

The unit contract price per linear foot for "\*\*\*\* Pedestrian \*\*\* Barrier" shall be full pay for performing the work as specified, excluding the steel reinforcing bars that extend from the \*\*\* retaining wall stem \*\*\*.

8. On page 225, lines 39 and 40 are deleted and replaced with the following:

### **Temporary Chain Link Fence**

Temporary chain link fence shall be placed at the following locations as staked by the Engineer:

MR3 2+384 to 2+559 left  
MR3 2+580 to 2+707 left  
MR3 2+780 to 2+798 left  
MR3 2+579 to 2+605 right  
MR3 2+632 to 2+661 right  
MR3 2+691 to 2+845 right  
MR3 2+858 to 2+993 right  
PAC 0+943 to MR3 4+270 right

The Contractor shall place temporary chain link fence immediately following the removal of existing fences, or as directed by the Engineer.

Temporary fence shall remain in place until the permanent fence is completely installed.

Posts shall be supported by stands, pins, or other methods approved by the Engineer. Sand bags shall be placed to add additional support as needed.

12. On page 237, the following is added after line 23:

Temporary Chain Link Fence will be measured by the meter of completed fence, along the ground line, exclusive of openings.

13. On page 237, the following is added after line 39:

“Temporary Chain Link Fence”, per meter.

The unit contract price per meter for Temporary Chain Link Fence 1.8 Meter shall be full payment for placing, maintaining, removing the fence and restoring the ground to its original condition.

12. On page 255, the following is added after line 51:

### **Bridge Mounted Sign Brackets**

Section 8-21.3(9)E is supplemented with the following:

(BSP December 14, 2000)

Bridge Mounted Sign Bracket No(s). \*\*\* 1 Sign 154, 1 Sign 170 and 2 Sign 185\*\*\*  
include the following quantities of structural carbon steel:

\*\*\* 60 kilograms each \*\*\*

For bridge mounted sign brackets mounted with resin bonded anchors, the Contractor shall install resin bonded anchors in accordance with Section 6-02.3(18) as

15. On page 257 line 16 is deleted and replaced with the following:

**Masonry Concrete Modular Block Retaining Wall**

16. On page 258, lines 44 through 46 are revised to read as follows:

Section 8-24.3[ (2) ] is supplemented with the following:

(\*\*\*\*\*)

**Masonry Concrete Modular Block Retaining Wall**

17. On page 259, the following is added after line 38:

**Measurement**

Section 8-24.4 is supplemented with the following:

The masonry concrete modular block retaining wall will be measured by the square meter of completed wall in place. The vertical limits for measurement are from the top of the foundation to the top of the wall. The horizontal limits for measurement are from the end of wall to end of wall.

**Payment**

Section 8-24.5 is supplemented with the following:

The unit contract prices per square meter for "Masonry Conc. Modular Block Retaining Wall", per cubic meter for "Gravel Backfill For Wall", per cubic meter for Structure Excavation Cl. B", and per tonne for "Crushed Surfacing Base Course" shall be full pay for performing the wall construction work.

**Plans**

1. On Sheet 113; on drainage codes D9-43, D11-1, D12-1, and D12-2; "SCHEDULE A CULVERT PIPE 300 mm DIAM." is revised to read "CL. IV REINF. CONC. CULV. PIPE 300 MM DIAM."
2. On Sheet 114; on drainage codes D12-3, D12-4, and D12-10; "SCHEDULE A CULVERT PIPE 300 mm DIAM." is revised to read "CL. IV REINF. CONC. CULV. PIPE 300 MM DIAM."
3. On sheets 143, 145, 147, 149, 151, 153, 155, and 157, the item name "GRAVITY BLOCK WALL" is revised to read "MASONRY CONC. MODULAR BLOCK RETAINING WALL".
4. On sheet 185, detail WALL 5 SECTION A-A, "STRUCTURE EXCAVATION CLASS A" is revised to read "STRUCTURE EXCAVATION CLASS B INCL. HAUL." Also, note "70% H OR 2 m (min) WHICHEVER IS GREATER" is deleted.
5. On Sheet 187, detail WALL 7 SECTION A-A "STRUCTURE EXCAVATION CLASS A"

8. Plan sheets 3, 4, 5, 6, 53, 57, 58, 193, 283, 288 are revised as shaded and noted on the attached sheets.

### **Proposal**

1. On page 3, item no. 25 the PLAN QUANTITY is revised.
2. On page 6, item nos. 71 and 72 the PLAN QUANTITY are revised.
3. On page 7, item no. 84 the PLAN QUANTITY is revised.
4. On page 8, item no. 97 the PLAN QUANTITY is revised.
5. On page 13, item no. 167 the ITEM name is revised.
6. On page 15, item no's. 183, 184, 185, 186, 187, 188, and 189 are ADDED.
7. Pages 14 and 15 have been revised.

Bidders are instructed to revise sheets 113, 114, 143, 145, 149, 151, 153, 155, 157, 185, and 187 of the Plans as revised sheets have not been prepared for attachment to this addendum.

Sheets 3, 4, 5, 6, 53, 57, 58, 193, 283, and 288 of the Plans have been revised and are attached.

Sheets 194A, 194B, 194C, 194D, and 194E are new and are attached.

Pages 3, 6, 7, 8, 13, 14, and 15 of the Proposal have been revised and are attached.

Bidders shall furnish the Secretary of Transportation with evidence of the receipt of this addendum. This addendum will be incorporated in the contract when awarded and when formally executed.

**RANDALL A. HAIN**  
**Olympic Region Administrator**

Attachment:

Revised sheets 3, 4, 5, 6, 53, 57, 58, 193, 283, and 288 of the Plans (Revised 2/7/2002)  
New sheets 194A, 194B, 194C, 194D, and 194E (New 2/1/2002)  
Pages 3, 6, 7, 8, 13, 14, and 15 of the Proposal Revised (2/7/2002)